

Buffalo Bill Powerplant
10-30 MW

Ancillary Services

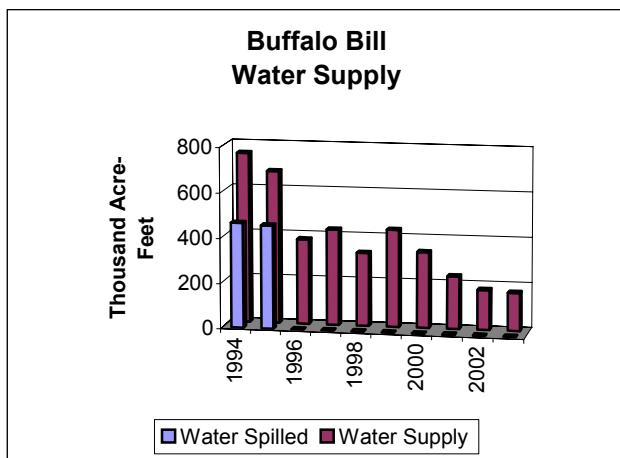
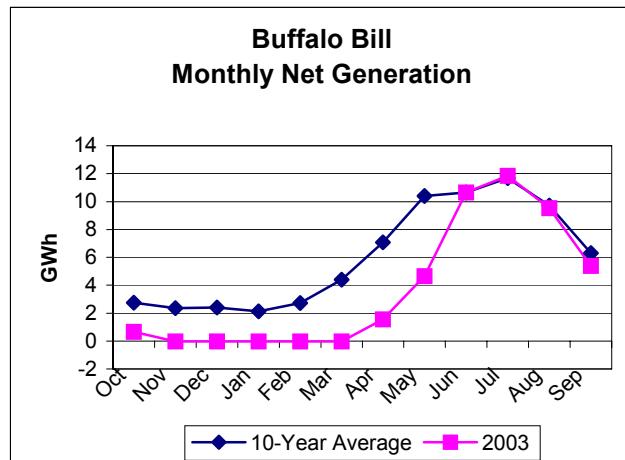
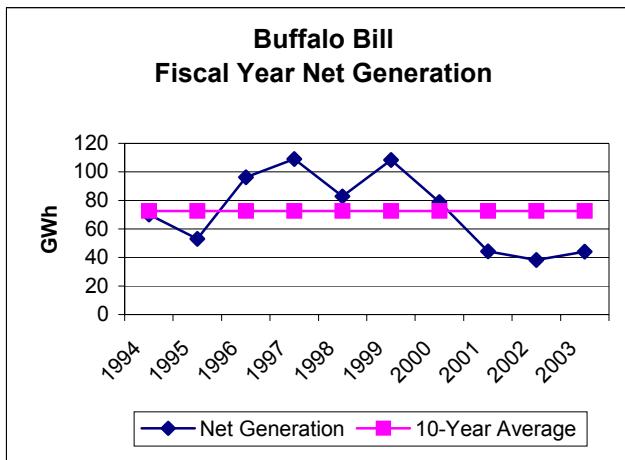
Buffalo Bill Ancillary Services	
Spinning Reserve	No
Non-Spinning Reserve	No
Replacement Reserve	No
Regulation/Load Following	No
Black Start	No
Voltage Support	Yes

Generators

Buffalo Bill Generators			
Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	6,000	0	6,000
2	6,000	0	6,000
3	6,000	0	6,000
3 Units	18,000	0	18,000

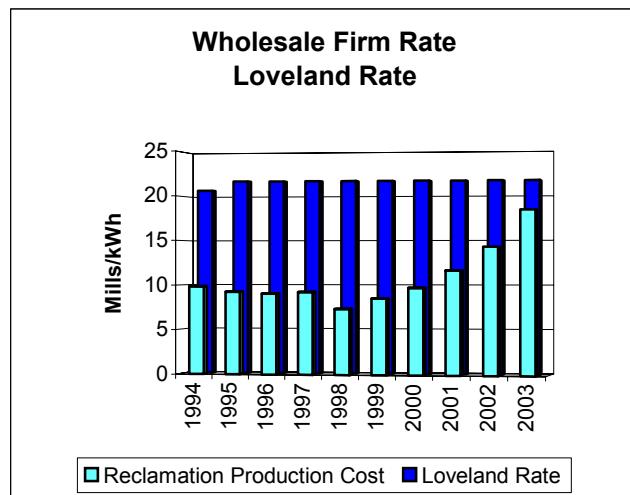
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Generation

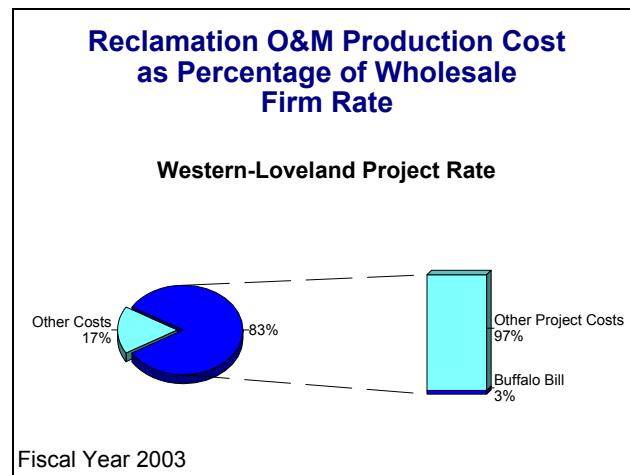


Prime Laboratory Benchmarks

Benchmark 1 **Wholesale Firm Rate**

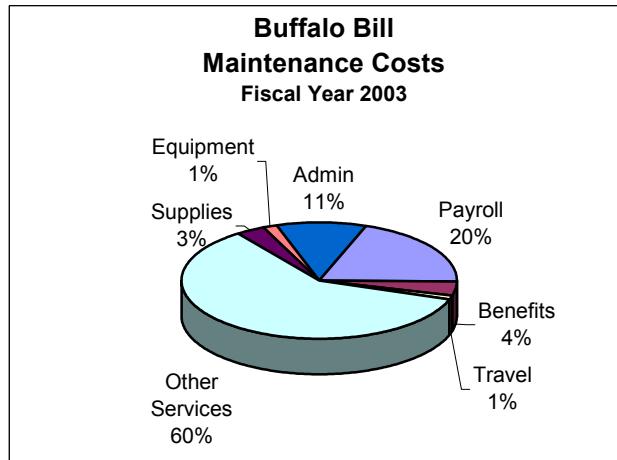
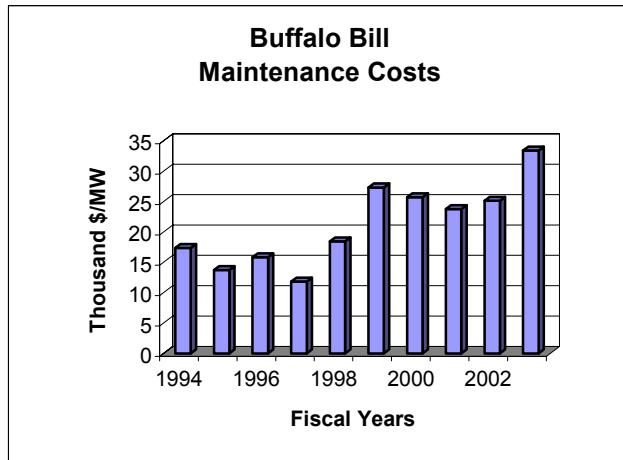
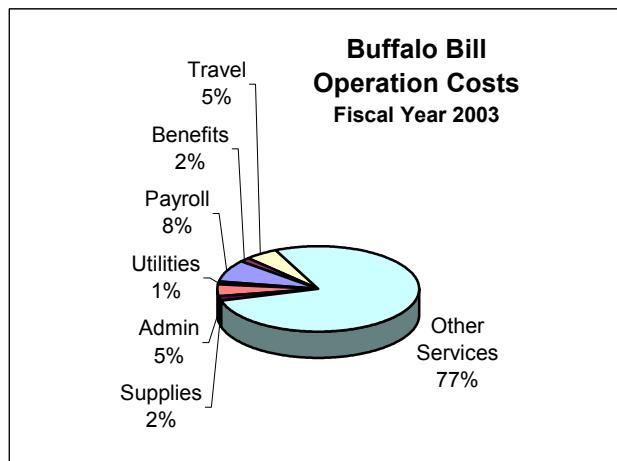
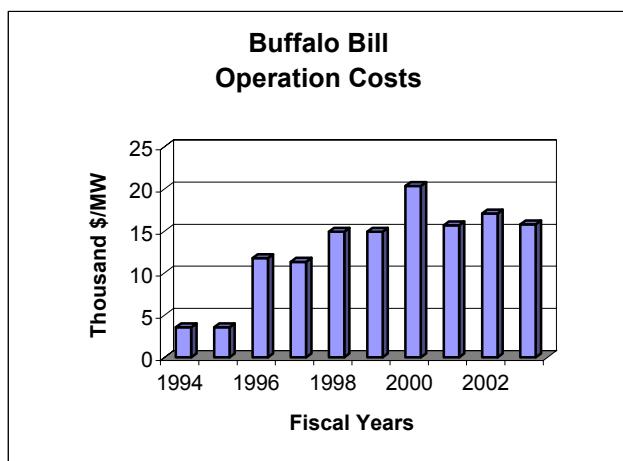


Benchmark 2 **Reclamation's Production Cost as Percentage of Wholesale Firm Rate**

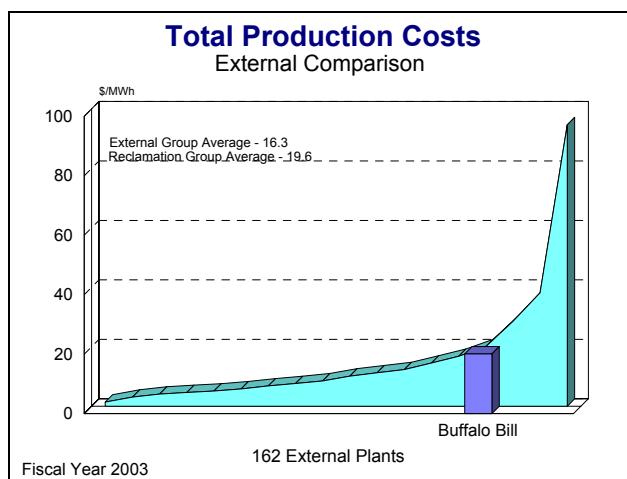
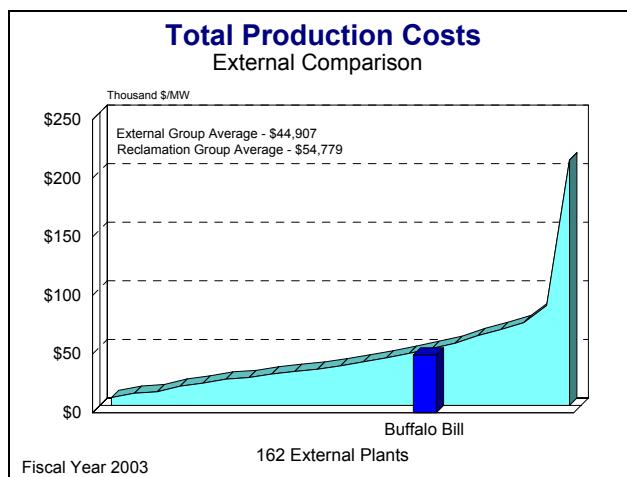
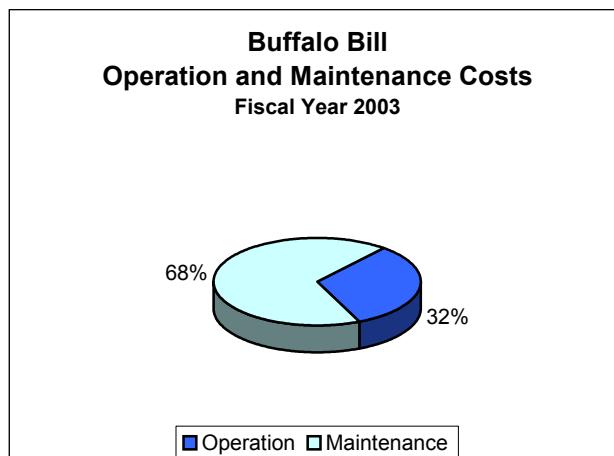
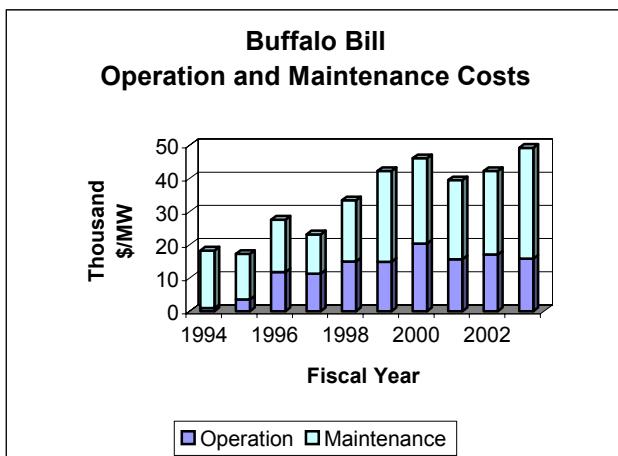


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Benchmark 3
Production Cost



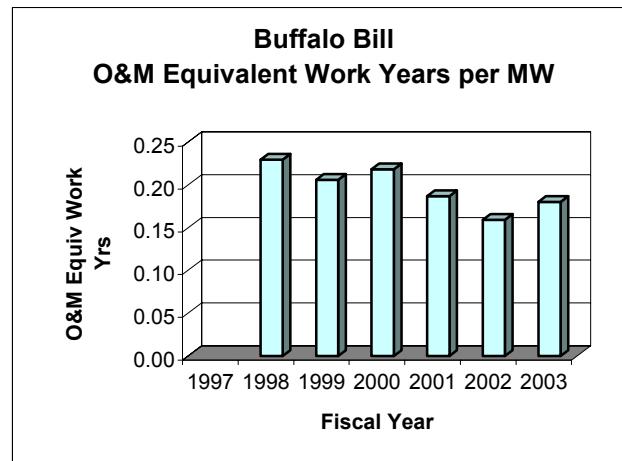
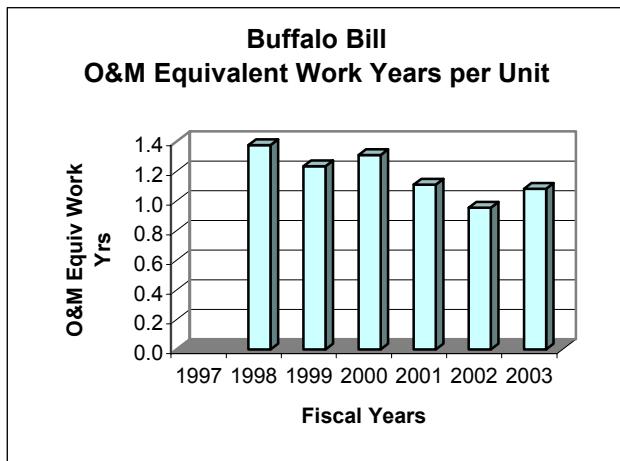
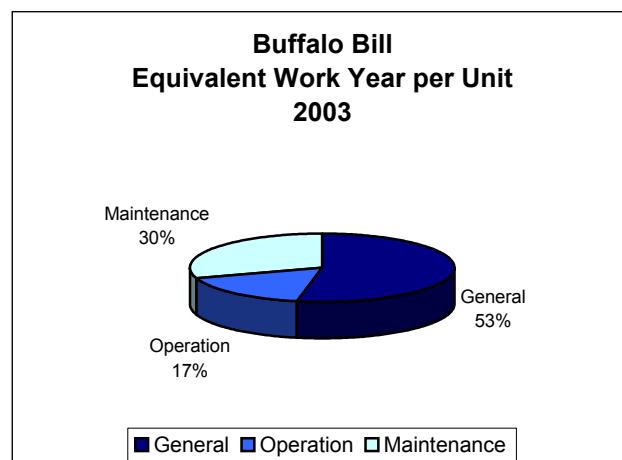
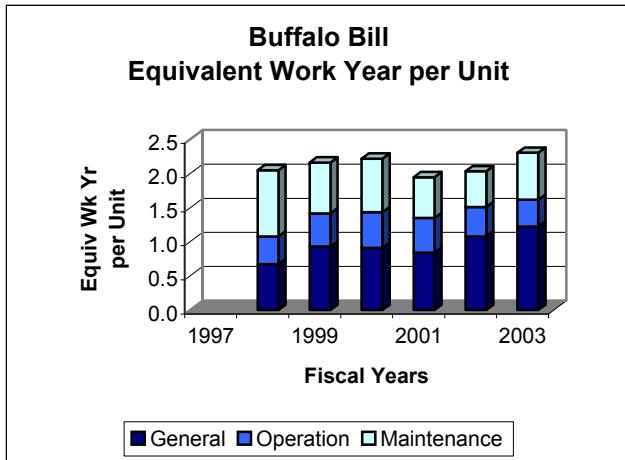
Benchmark 3
Production Cost



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Benchmark 4
Workforce Deployment

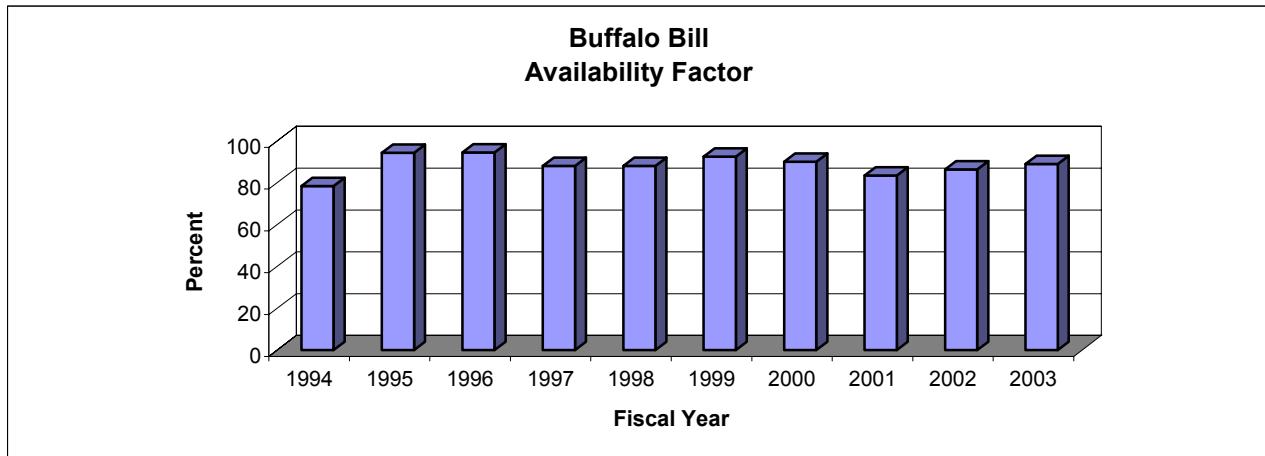
Buffalo Bill 2003 Equivalent Work Year Levels						
	Equiv Work Year Charged to Powerplant	Leave Additive	Denver and Washington Equiv Work Year Additive	Total Equiv Work Year Allocated to Powerplant	Total Equiv Work year per Generating Unit	Total Equiv Work Year per Megawatt
General	3.26	0.35	0.07	3.67	1.22	0.20
Operation	1.06	0.11	0	1.18	0.39	0.07
Maintenance	1.86	0.2	0	2.06	0.69	0.12
Total Staffing	6.18	0.66	0.07	6.91	2.3	0.38



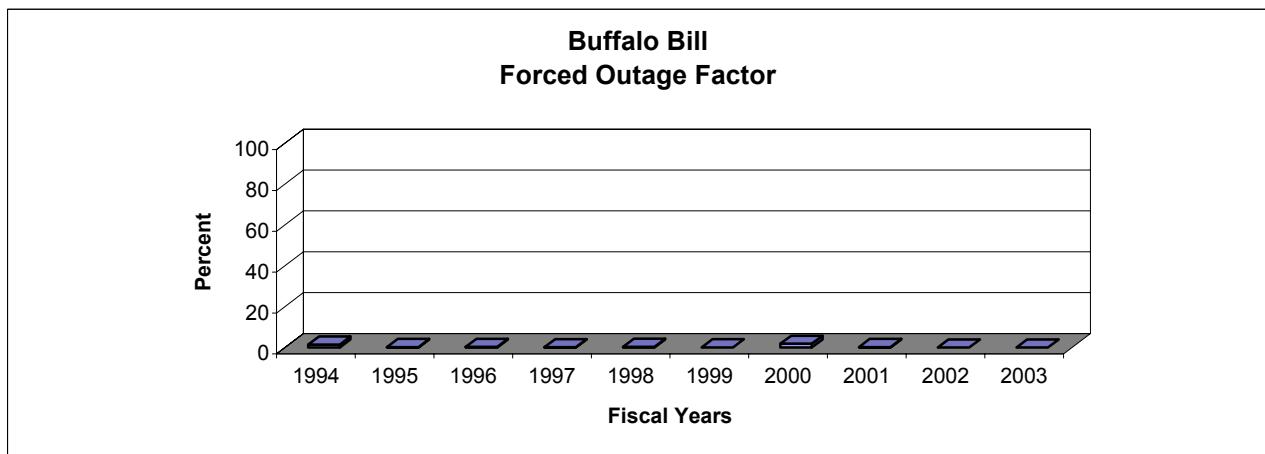
Distributive Accounts not available for FY-97

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**Benchmark 5
Availability Factor**

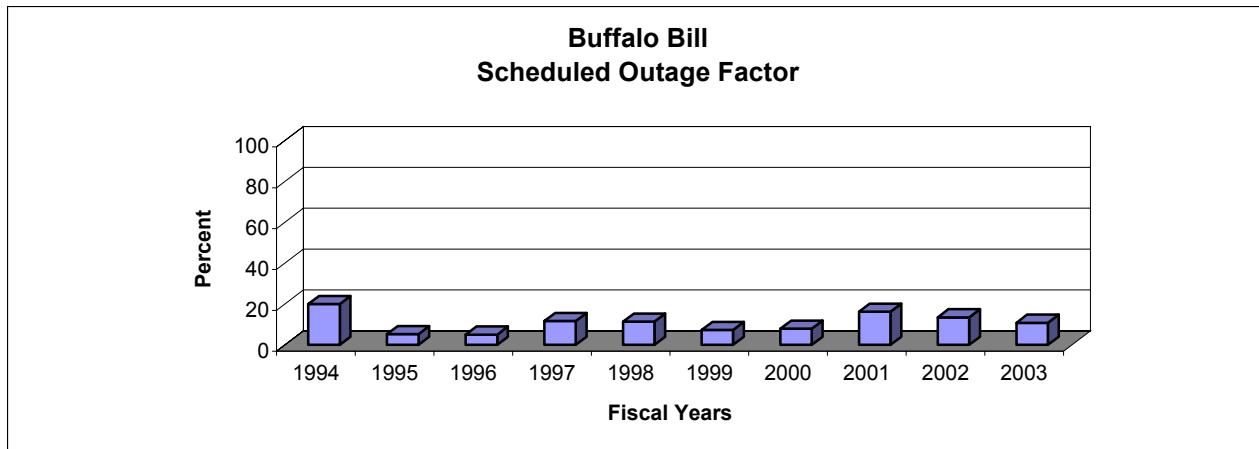


**Benchmark 6
Forced Outage Factor**



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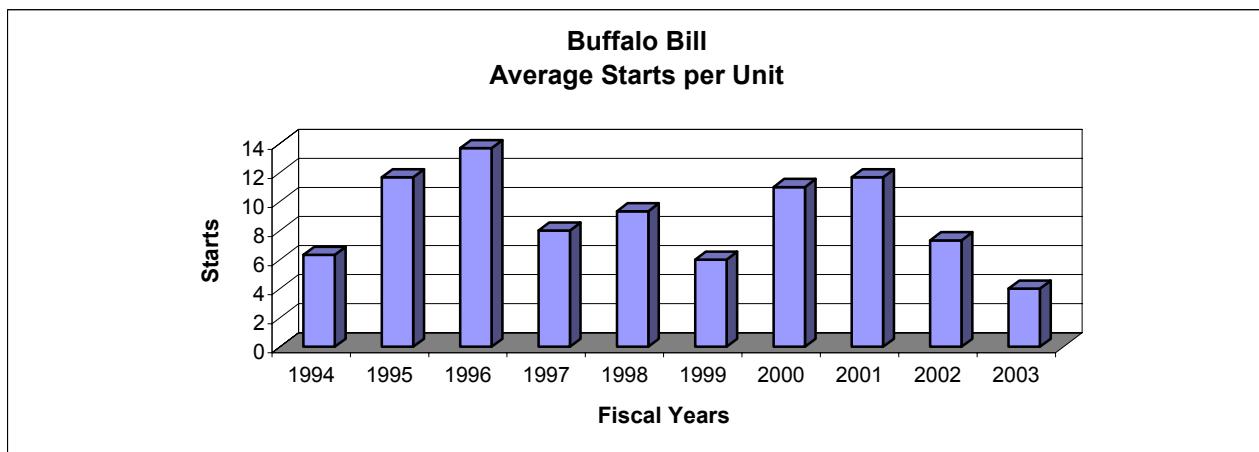
Benchmark 7
Scheduled Outage Factor



FY-94 - Extended maintenance and inspection of new units

FY-01 - Extended outage on all units for re-coating of power penstock.

Starts



Benchmark Data Comparison

Fiscal Year 2003	Buffalo Bill Powerplant	Reclamation Average 10-30 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	21.7	Not Applicable	*23.1	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	2.58%	Not Applicable	12.0%	Not Applicable	Not Applicable
O&M Cost \$/MWh	20.1	17.0	2.7	16.3	1.1
O&M Costs \$/MW	49,212	54,175	7,315	44,907	3,108
O&M Equiv Work Year per MW	0.2	0.3	0.04	Not Available	0.010
Availability Factor	86.5	84.2	83.6	**88.9	99.1
Forced Outage Factor	0.0	0.7	1.5	**2.4	0.0
Scheduled Outage Factor	13.5	15.1	14.9	**8.7	0.0

*Weighted by Net Generation

**2002 NERC Average